



The Power to Question

# CERTIFICATE OF ANALYSIS

Catalog Number: sc-251478  
Lot Number: SAMPLE  
Product Name: 1-Aza-12-crown-4  
CAS Number: 41775-76-2  
Molecular Formula:  $C_8H_{17}NO_3$   
Molecular Weight: 175.23

| Test                          | Specification                                                             | Result   |
|-------------------------------|---------------------------------------------------------------------------|----------|
| Appearance (Color)            | White to faint yellow                                                     | White    |
| Appearance (Form)             | Powder or solid or crystals or crystalline chunk(s) or chunk(s) or fibres | Fibres   |
| Identification ( $^1H$ -NMR)  | Consistent with structure                                                 | Complies |
| Purity (GC)                   | $\geq 97.0\%$                                                             | 100.0%   |
| Purity (Nonaqueous Titration) | $\geq 97.0\%$ ( $HClO_4$ 0.1 M)                                           | 98.5%    |
| Melting Point                 | 54 - 58 °C                                                                | 56 °C    |

Satisfaction Guarantee: We appreciate your business and are committed to providing the highest level of quality and service. Any product that does not meet the performance standards indicated in our product literature will be replaced at no charge. Our policy is valid for one year from the date of your purchase.

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